

Pharmacology International

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James Arthur Bain 1918-2011



IUPHAR and BPS Collaborate on The Guide to Pharmacology: Online Portal to Launch Autumn 2011

The British Pharmacological Society (BPS) and the International Union of Basic and Clinical Pharmacology (IUPHAR) have agreed to collaborate to bring core sets of pharmacological data together online, for the first time.

The collaboration centres on the provision of cross-referenced data from the BPS Guide to Receptors and Channels (GRAC), and the NC-IUPHAR online database (IUPHAR-DB) which features classes of drug targets and their ligands. A new, single BPS-IUPHAR online portal will give access to dynamically updated, searchable versions of GRAC and IUPHAR-DB, which will be extensively hyperlinked to each other and to other online resources, including suppliers' websites.

It is intended that the creation of two complementary resources, consistent in content but different in focus, each carrying the authoritative backing of both IUPHAR and BPS, will be an immensely valuable tool to assist research in pharmacology and drug discovery, educate the next generation of biomedical and clinical scientists, and provide the general public with accurate information on how drugs work.



The IUPHAR Database of Receptors and Channels

an online portal – www.GuideToPharmacology.org – will be available in the autumn of 2011.

There are already plans for further development, as Dr. Sam Enna, Secretary-General of IUPHAR explains: “In subsequent years, we would

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The Guide to Pharmacology Online Portal

(continued)

like to expand the coverage of GRAC and IUPHAR-DB through a unified single network of experts, with GRAC encompassing a rapidly expanding, wider range of drug targets and IUPHAR-DB providing more in-depth information and rigorous guidelines for pharmacological evaluations.”

Professor Ray Hill,
President of the BPS,
takes up the case for
future collaboration:
“GRAC and NC-IUPHAR
could work together to



**BRITISH
PHARMACOLOGICAL
SOCIETY**

Today's science, tomorrow's medicines

identify, for each drug target, a small ‘gold standard’ set of recommended pharmacological tools such as licensed drugs, commercially available experimental compounds, radioligands and so on. Based initially on compounds in GRAC and IUPHAR-DB, this resource could be progressively refined using evidence gathered from the literature and from other online databases to select compounds that have the best profile of ‘off-target’ actions, effectiveness across commonly used experimental species, and proven efficacy both *in vitro* and *in vivo*.”

More information on the development will be made available to BPS and IUPHAR members in the coming months. ●

Jonathan Brünn
Head of Communications & Development
British Pharmacological Society

This article is published jointly in the IUPHAR publication Pharmacology International [June 2011], and in BPS magazine Pharmacology Matters [August 2011].



Some members of the Nomenclature Committee (NC-IUPHAR) met in April, where discussions included coordinating and delivering the GRAC/IUPHAR-DB components. L → R: Janos Kiss, Chido Mpamhanga, Michael Spedding, Joanna Sharman, Jean-Philippe Pin, Anthony Davenport, Sam Enna, Urs Ruegg, Rabinder Prinjha, Patrick du Souich, Eliot Ohlstein, Tom Bonner, Rick Neubig, Ian McGrath, Steve Alexander, Alastair Mathie, John Peters, and Tony Harmar



GLOBAL RESEARCH IN PEDIATRICS



The pediatric medicines initiatives are public health measures aimed at improving children's access to medications. Separate programs have been underway in the United States since 1997 and in the European Union since 2007. The success of these undertakings requires a significant effort to improve research and development in pediatric clinical pharmacology.

towards improving clinical the number of investigators conducting research in pediatric In Pediatrics (GRIP) is a Network awarded €10 million by the EU 7th



To this end, work is directed towards improving clinical protocols and to increasing and centers devoted to pharmacology. Global Research of Excellence that was recently Framework Program. Funding began on January 1st, 2011 and runs through December 31st, 2015. An Italian-led consortium, GRIP is composed of 21 partners including academic institutions in Europe, Canada and Japan, as well as the USA National Institutes of Health, the World Health Organization, European Medicines Agency, and the patient organization, VSOP.

The objectives of the GRIP program include development of a pediatric clinical pharmacology training program, pharmacovigilance, the development of new research methods, a study of pediatric formulations, and the design of drug development programs for neonates. Approximately 40% of the GRIP budget is devoted to establishment of a collaborative pediatric clinical pharmacology training program.

IUPHAR has joined the GRIP initiative as a Third Party and will, together with the European Society for Developmental, Perinatal, and Pediatric Pharmacology, an IUPHAR member society, assist in extending the international reach of the pediatric clinical pharmacology training program. Funding for the IUPHAR and European Society for Developmental, Perinatal, and Pediatric Pharmacology efforts will be provided by the GRIP grant.

Kalle Hoppu, M.D. Ph.D.
Chair of IUPHAR Section of
Pediatric Clinical Pharmacology,
Leader of GRIP WP1





FRONTIERS IN ADDICTION RESEARCH

2011 NIDA Mini-Convention
Friday, November 11, 2011
Venue - TBD
Washington, DC

NIDA NATIONAL INSTITUTE
ON DRUG ABUSE

EARLY CAREER INVESTIGATOR AWARDS

The United States National Institute on Drug Abuse (NIDA) presents a one-day mini-convention each year in conjunction with the Society for Neuroscience (SfN) annual meeting. This year the mini-convention entitled "Frontiers in Addiction Research" is scheduled for Friday, November 11th, 2011 from 8 a.m. to 6:30 p.m. in Washington, DC, USA.

The NIDA mini-convention satellite meeting features outstanding scientists presenting recent findings and discussing future directions on research into the neurobiology of drug abuse and addiction. The mini-convention will include four symposia, a presentation by the Jacob Waletzky Memorial Prize winner, and the poster session for early career investigators.

Symposia

Using Optogenetic Tools to Shed Light on the Neural Mechanisms of Addiction

Co-chairs: David Shurtleff and Antonello Bonci

Speakers: Jin Hyung Lee, Garret Stuber, Mary Kay Lobo, Billy Chen

Synapse Organization and Plasticity in Drug Addiction

Chair: Geralin Lin

Speakers: Thomas C. Südhof, Thomas Biederer, Veronica A. Alvarez, and Marina Wolf

EARLY CAREER INVESTIGATOR AWARDS (continued)

Autism, Addiction, and MeCP2

Chair: John Satterlee

Speakers: Janine Lasalle, Ghazaleh Sadri-Vakili, and Anne E. West
Neurobiology of Behavioral Regulation/dysregulation in Substance Use and Comorbid Disorders

Chair: Susan Volman

Speakers: Anthony Grace, Allison Bell, and Elizabeth Phelps

Please visit <http://www.seiservices.com/nida/2011sfn> for more information.

IUPHAR has again been asked to co-sponsor two international (non-U.S.) early career investigators who will receive travel awards of USD\$1,000 each. The individuals selected this year from a group of outstanding candidates are:



Ms. Estefanía Pilar Bello Gay, a PhD candidate in Marcelo Rubinstein's laboratory in the Genetic Engineering and Molecular Biology Research Institute at the University of Buenos Aires in Argentina, was nominated by the Argentine Society of Experimental Pharmacology. Her research focuses on defining the role of dopamine D2 autoreceptors in animal behavior and the rewarding properties of cocaine. Her presentation is entitled "Cocaine Supersensitivity and Enhanced Motivation for Reward in Mice Lacking Dopamine D2 Autoreceptors".



Ms. Esther Gramage, a PhD student in Gonzalo Herradón's pharmacology laboratory in the Department of Food and Pharmaceutical Sciences at CEU San Pablo University, was nominated by the Spanish Society of Pharmacology. Ms. Gramage will describe her work in a presentation entitled "Midkine Regulates Amphetamine-induced Astrocytosis in Striatum but Has No Effects on Amphetamine-induced Striatal Dopaminergic Denervation and Addictive Effects". The study describes the mechanism whereby endogenous midkine, a neurotrophic factor, limits amphetamine-induced astrocytosis.

IUPHAR congratulates Ms. Bello Gay and Ms. Gramage on this achievement. •

S.J. Enna
IUPHAR Secretary-General



***IUPHAR congratulates
the following member societies
on milestone anniversaries:***

British Pharmacological Society
1931 - 2011

Norwegian Society of Pharmacology & Toxicology
1936 - 2011

Australasian Society of Clinical and Experimental
Pharmacologists and Toxicologists
1966 - 2011

Brazilian Society of
Pharmacology and Experimental Therapeutics
1966 - 2011

South African Society for
Basic and Clinical Pharmacology
1966 - 2011

Turkish Pharmacological Society
1966 - 2011

Hong Kong Pharmacology Society
1986 - 2011

Association of Pharmacologists of Ukraine
2001 - 2011

Pharmacology Society of Malta
2006 - 2011



港 藥 理 學 學 會

Highlight:
**Hong Kong Pharmacology Society
Celebrates 25th Anniversary**

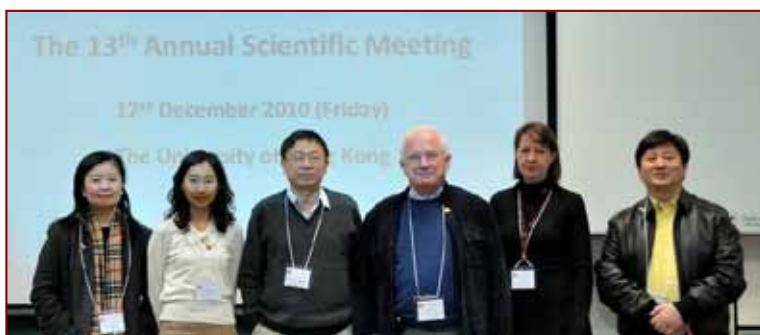
The Hong Kong Pharmacology Society (HKPS) is proud to celebrate its 25th birthday this year. It was born in the years of colonial Hong Kong, had its adolescence during the reunification with the Motherland, and will now be maturing along with China. Indeed, the growth and development of the HKPS strongly mirrors that of Hong Kong itself. The HKPS was officially founded in July 1986 after deliberations by its 31 founding members earlier that year. Our first President was Professor Clive W. Ogle from the University of Hong Kong.



The inaugural meeting of HKPS with Prof. C. Ogle centre front.

The affairs of the Society are managed by an Executive Committee. This group includes the President, Secretary, Treasurer and two or three councilors. Since the founding of the Society, the majority of its members are from the medical schools of the University of Hong Kong (HKU) and the Chinese University of Hong Kong (CUHK). The current President is Professor Paul Vanhoutte from HKU.

The missions of the HKPS are to promote interest in both basic and clinical pharmacology, to foster communication and cooperation between those who are actively engaged in various aspects of education, research and service in pharmacology and related disciplines in Hong Kong, and to establish and to facilitate communication with similar societies abroad, especially those in the South East Asian and Western Pacific regions. To this end, productive interactions between Hong Kong pharmacologists and colleagues in Mainland China have been established.



HKPS Executive Committee 2010-2011 L→R: Prof. Ge Lin, Dr. Susan Leung, Prof. Yu Huang (Treasurer), Prof. Paul Vanhoutte (President), Prof. Helen Wise (Secretary), and Prof. Alaster Lau

Hong Kong Pharmacology Society Celebrates 25th Anniversary (continued)



HKPS delegates at the Guangdong Pharmacological Society Scientific Meeting, Guangzhou, China, December 1986



Collaborations with Mainland China date back to the founding year of the Society when members attended the Guangdong Pharmacological Society Scientific Meeting in Guangzhou. In the following year, HKPS held its first Scientific Meeting in association with the Guangdong Pharmacological Society. Since then delegations from the HKPS have also visited Shanghai (1992, 2002), Xian (1996), Beijing (1998), Hangzhou (2000) and Shenyang (2008) to attend conferences with fellow pharmacologists. In return, scientists from these cities have come to Hong Kong in alternate years to participate in conferences here. In 2009 the HKPS hosted pharmacologists from Shenyang, Singapore and Taiwan at a very stimulating and enjoyable 2-day conference.

As in other parts of the world, the discipline of pharmacology is losing its identity in Hong Kong as it becomes incorporated into new curricula in Schools of Biomedical Sciences or Molecular

Hong Kong Pharmacology Society Celebrates 25th Anniversary (continued)

Sciences. In these changing times, the HKPS provides a forum for those of us who still believe strongly that the integrated scientific approach, which is the hallmark of training in pharmacology, is essential for successful drug development and patient care. To achieve this goal we sponsor seminars throughout the year and actively encourage attendance by our student members to increase their exposure to new areas of research. We also provide travel grants to encourage the newer generations of pharmacologists to experience the thrill of presenting their research work to an international audience.



Delegates at the HKPS-hosted conference in June 2009

The HKPS prides itself on its encouragement and support of student members. The Society also actively promotes participation in the IUPHAR World Congresses, and is the first local pharmacology society to sponsor a young African scientist to attend the 2014 IUPHAR World Congress in South Africa. All members of the HKPS value the opportunity to meet with like-minded scientists. Although we are a relatively small society, supported financially by membership fees and donations from local pharmaceutical companies and distributors, our goals are big. So let us hope that the Year of the Rabbit will see a growth in our membership and activities as we move forward into the next quarter century. ●

Helen Wise, Secretary

Highlight:
**Pharmacology
Society of Malta
Celebrates 5th
Anniversary**



Malta is a small island state, centrally located in Mediterranean Sea. It has been a member of European Union since 2004 and has over 7,000 years of rich cultural heritage. Despite its size and location, the study of therapeutics has a long history in Malta. The Grandmasters of the Order of St John, which was based in Malta from 1534 to 1798, were among the leaders in advancing medical care in Europe during that time. The Grandmasters built the Sacra Infermeria (Holy Infirmary) in 1574 and, in 1676, a School of Anatomy and Surgery with an adjoining botanical garden that served as source of medicinal plants. The University of Malta was founded in 1777.



Upper right: The Sacra Infermeria Great Ward measures 155 meters and was the largest in Europe at the time it was built. Bottom: The exterior of the imposing Sacra Infermeria. While the society may be young, pharmacology has been practiced in Malta for centuries. During the 16th and 17th centuries, the Grand Masters and Knights of Malta



*imported plants from the New World for their pharmaceutical properties to use in the facilities. On nearby Gozo Island, Fungus Rock was discovered to carry the rare tarthuth, or Maltese mushroom (*C. coccineum*). It soon became the most popularly prescribed antidote for nearly all afflictions. So much so, the Grand Masters limited access to it. Source: Bowers, B.S., (2007) *The Medieval Hospital and Medical Practice*, page 27, Ashgate Publishing Limited, Hampshire, England*

Pharmacology Society of Malta

Celebrates 5th Anniversary

(continued)

The Department of Clinical Pharmacology and Therapeutics was established within the Faculty of Medicine and Surgery in the mid-1980s. This department was originally responsible for co-ordinating the pharmacology modules and related practical sessions for undergraduate pharmacy, medical and dental students. During the past decade the teaching of pharmacology has expanded to include Faculty of Science psychology students and all those majoring in a health care profession in the Faculty of Health Sciences.

The Pharmacology Society of Malta was founded in 1996. Its establishment was driven by the faculty of the Department of Clinical Pharmacology and Therapeutics. In Malta, as elsewhere, pharmacology-related careers include academic research and teaching and industrial research. Those trained in pharmacology can also be found working in various health services such as clinical health care professions, regulatory bodies, and clinical laboratory services. The discipline is represented among pharmacists and those who provide pharmaceutical-related patient counselling. Through its activities and links with various research organisations, the Department of Clinical Pharmacology and Therapeutics empowers graduates in various life-science areas, and provides the tools necessary to adapt innovations in the field and to apply them in the development and delivery of therapeutics.

Since 2000 the Department has offered an M.Sc. in Pharmacology/Clinical Pharmacology and in Pharmacotoxicology. The latter is designed especially for those science graduates who wish to register as Qualified Persons with the pharmaceutical industry in Malta. The research emphasis within the Department of Clinical Pharmacology and Therapeutics is pulmonary and neuropharmacology. The Department houses special expertise in the chemical, pharmacokinetic and pharmacogenetic aspects of these subdisciplines. There are close and productive research and training collaborations among the Departments of Medicine, Neurology and Paediatrics at Mater Dei Hospital and the Caritas Malta Epilepsy Association. There is also an active research collaboration between the Department of Clinical Pharmacology and Therapeutics and the Department of Pathology at the University of Malta.

The Department of Clinical Pharmacology and Therapeutics also works closely with the Medicines Authority in Malta, with faculty from the department having been appointed as experts



Valletta, the capital city of Malta



Pharmacology Society of Malta Celebrates 5th Anniversary (continued)

on the Pharmacogenomics working party of the European Medicines Agency. Individuals within the Department have been successful in obtaining RTDI research funds from the Malta Council for Science and Technology. On the international level, the Department of Clinical Pharmacology and Therapeutics has collaborated with the University of Minnesota in organising an International Pharmacokinetics School, and it has strong research links with Queen's University of Belfast, N. Ireland, Queen's Medical Centre, Nottingham, and the European Epilepsy Academy (EUREPA). Members of the Department participate in several projects funded by international organizations such as the UNESCO project on research in epilepsy, an EU Grundtvig program aimed at developing a curriculum for professionals allied to medicines (PAMs) working in epilepsy, an EU Youth project on Epilepsy Youth in Europe (EyiE), and EPICURE, an FP6 project on functional genomics for novel therapeutic strategies in epilepsy.



The Department of Clinical Pharmacology and Therapeutics, in conjunction with the Pharmacology Society of Malta, recently organised a Pharmacology Graduate Student meeting on September 15, 2010. This meeting highlighted the research undertaken by the various pharmacology graduates at the University of Malta. During this meeting, eight final year MSc (Pharmacology/Clinical Pharmacology) students presented the results of their research work. The guest speakers were Dr. Kim Wolff from King's College, London and Prof. Gabrielle Hawksworth from University of Aberdeen. The meeting was attended by students, staff and research colleagues of the department. The participants are pictured in the above photograph. ●

Janet Mifsud, Secretary



II WEEK OF HOSPITAL CLINICAL PHARMACOLOGY SECTION FOR CLINICAL PHARMACOLOGY, SERBIAN MEDICAL ASSOCIATION

Founded in 1847, the Serbian Medical Society has over 10,000 members, including all Serbian physicians. The Section of Clinical Pharmacology of the Serbian Medical Society was established on February 19th 2009. Its meetings are typically attended by all 60 clinical pharmacology specialists working in Serbian hospitals. The IUPHAR Executive Committee unanimously approved full membership for the Section for Clinical Pharmacology on July 24th 2010.

The Serbian Medical Association, Section for Clinical Pharmacology (SMA SCP), together with the Serbian Medical Association, Academy of Medical Sciences (SMA AMS) organized and hosted an international workshop entitled “2nd Week of the Hospital-Clinical Pharmacology” (II WHCP) in Belgrade on November 19-20, 2010. For this event, the historic Serbian Medical Association building was filled with the most successful doctors from across the country. There were more than 100 registrants who had the opportunity to hear over 30 scientific presentations on hospital-clinical pharmacology. By fostering multidisciplinary research, the SMA SCP enhances the value and impact of these studies.

Two outstanding lectures were presented by Prof. David T. Wong, MD, PhD from UCLA. These were entitled *Salivary Biomarkers Diagnostics – the state of the art*, research by David T. Wong, University of California – Los Angeles, and Dragana Maca A. Kastratovic, Clinical Center of Serbia, (pictured at right) and *Oral Squamous Cell Carcinoma Detection by Salivary Biomarkers in a Serbian Population*, research by Dragana Maca A. Kastratovic and David T. Wong. As one of the world’s most distinguished and accomplished biomedical scientists, Prof. Wong



has been instrumental in developing a sophisticated, precise, non-invasive diagnostic method that has greatly improved patient therapy and survival. With his approach, it is now possible to detect and monitor diseases by analyzing specific substances in saliva. This approach has the potential for developing simple diagnostic procedures for a host of conditions, including cancer, diabetes, Alzheimer’s disease, Sjögren’s Syndrome, etc. The Oral Fluid NanoSensor Test (OFNASET) platform simplifies saliva diagnostic technology. Saliva, often regarded as the ‘mirror of the body’, is a perfect surrogate medium for diagnosis and post-treatment monitoring. Representing the entire organization, the SMA AMS President, Prof. Pavle Milenkovic, MD, PhD, stated that he anticipated Prof. Wong would be a Nobel Prize recipient for his work. The SCP SMS was particularly proud of the participation of Primarius Maca Kastratovic and her team in these studies. She and her team were presented the best research award at the meeting.

II WEEK OF HOSPITAL CLINICAL PHARMACOLOGY (CONTINUED)



L → R: Dr. Branka Terzic and Prof. Momir Mikov

The Society was honored to have as a guest Prof. Vangelis G. Manolopoulos, PhD, from Greece (at left). Prof. Manolopoulos' lecture, which was entitled *Biosimilar Biological Drugs: Not Just Generics*, was very well-received by the delegates (at left). The full program begins on page 15. All oral and poster presentations were outstanding, with the latter engendering long and fruitful discussions (photograph below).

Given the quality of the research, and the enjoyable Belgrade City Hall reception and Royal Court tour, the meeting was considered a major success by all. The Society is especially grateful to the Ministry of Science of the Republic of Serbia for its generous support of this meeting. As illustrated by the presentations, the future is bright for the biomedical sciences in Serbia.

Continued on page 15...



II WEEK OF HOSPITAL CLINICAL PHARMACOLOGY (CONTINUED)



L → R: Prof. Momir Mikov and Dr. Branka Terzic

L → R: Prof. Pavle Milenkovic and Prof. Momir Mikov

At the annual SMA Assembly meeting, President Radoje Colovic, MD, PhD, stated that “the Section for Clinical Pharmacology of the Serbian Medical Association is our pride, an example of vitality, contemporaneity and diligence within the Serbian Medical Association”, a sentiment we believe is held by IUPHAR as well.

The 2011 III WHCP meeting will be held at the SMA facility in Belgrade on November 28-30. All are welcome to join us for this event.

Primarius Dragana Maca A. Kastratovic, MD, PhD, spec. in clinical pharmacology, IUPHAR representative, Secretary, Section of Clinical Pharmacology, Serbian Medical Society, Belgrade

Professor Ana Sabo, MD, PhD, spec. in clinical pharmacology, President of the Scientific Board, Section of Clinical Pharmacology, Serbian Medical Society, Belgrade, IUPHAR representative

Professor Momir Mikov, MD, PhD, spec. in clinical pharmacology, President, Section of Clinical Pharmacology, Serbian Medical Society, Belgrade, EACPT representative

II WEEK OF THE HOSPITAL CLINICAL PHARMACOLOGY Program November 19th - 20th, 2010

Experiences in collaboration of the clinical pharmacology and general medicine within the Serbian Medical Society
Mirjana Mojković¹, Dragoljub Ivanković² (¹Belgrade's area SMA president, ²General Medicine Section SMA)

Report on the two-year's work of the Section for Clinical Pharmacology of the Serbian Medical Society
Momir Mikov (President Section for Clinical Pharmacology SMA)

Salivary biomarkers diagnostics – the state of the art
David T. Wong¹, Dragana Maca A. Kastratovic² (¹University of California–Los Angeles, ²Clinical Center of Serbia)

Oral squamous cell carcinoma detection by salivary biomarkers in a Serbian population
Dragana Maca A. Kastratovic¹, David T. Wong² (¹Clinical Center of Serbia, ²University of California – Los Angeles)

Reserve antimicrobials consumption after introduction of new hospital policy
Aleksandra Kovačević¹, Viktorija Dragojević-Simić¹, Dragan Mikić², Vesna Begović², Radmila Rajić-Dimitrijević², Darko Nožić² (¹Center for Clinical Pharmacology, ²Clinic for Infectious Diseases, Military Medical Academy, Belgrade)

II WEEK OF HOSPITAL CLINICAL PHARMACOLOGY (CONTINUED)

The impact of liver cirrhosis in HCV/HIV co-infection on nevirapine trough plasma concentration

G. Dragović¹, L. Grbović¹, Đ. Jevtović², C. Smith³, M. Youle⁴, D. Back⁵ (1Institute of Pharmacy, Clinical Pharmacology, MF Belgrade, 2HIV/AIDS Clinic of Infectious Biology KCS, 3Department of Primary Care and Population Science and 4Royal Free Centre for HIV Medicine, Royal Free and University College Medical School, 5Department of Pharmacology and Therapeutics, University of Liverpool)

Drug-induced liver injury

Srdjan M. Stefanovic¹, Slobodan M. Jankovic^{1,2} (1Medical Faculty Kragujevac, 2Department for Clinical Pharmacology Clinical Centre of Kragujevac)

Tacrolimus pharmacokinetic analysis in renal transplanted patients

Radmila Veličković-Radovanovic, A. Catic-Djordjevic, G. Paunović, V. Djordjevic (Pharmacy Department, Medical Faculty Nis and Clinic for Nephrology Clinical Centra of Nis)

Depression symptoms mapping and antidepressives action mechanisms

Ivana Timotijević^{1,2}, Branislav Rovčanin¹ (1Medical Faculty Belgrade, 2Institute for Mental Health)

The antibiotic utilization pattern and the urinary tract infections in outpatients

Olga Horvat¹, Ana Sabo¹, Mira Mihajlović-Ukropina², Vesna Mijatović¹ (1Institute for Clinical Pharmacology Medical Faculty Novi Sad, 2Institute for Public Health Vojvodina, Center for Microbiology)

Proteomic research – a new approach

Katarina Vucicevic-Prctetic, Sebastian Kujundzic ("DSP Chromatography", Belgrade)

Use in specifics of antidepressant patients at non-psychiatric departments

Zana Stankovic (Psychiatry Clinic, Clinical Centre of Serbia)

Biosimilar biological drugs: not just generics

Vangelis G. Manolopoulos (Laboratory of Pharmacology, Democritus University of Thrace Medical School, Alexandroupolis)

Connestion of patients satisfaction with pharmacotherapy quality in Valjevo's primary health level

Mira Vukovic, Ilija Tripkovic (Heath Center Valjevo)

Use of anesthetics and drugs at the Institute of Anesthesia by surgical disciplines in the CCS

Branislava M. Majstorovic, Nadezda N. Radosic, Dragan Vucovic, Ljubinka I. Nikolic, Srdjan Z. Markovic, Milos S. Mijajlovic, Dragana A. Kastratovic (Clinical Centre of Serbia)

Treatment of arterial hypertension in vulnerable patients: elderly, pregnant women and diabetic persons

Branka Terzic, Mirjana Tomic, Jasminka Kostić, Gordana Vukcević-Milosevic (Clinical Centre of Serbia - Clinic for Cardiology, Urgent Center)

Meta-analysis: a possible way to resolve pharmacotherapy dilemmas

Isidora Samojlik, Kornelija Djakovic Svajcer (Instit for Clinical Pharmacology Medical Faculty Novi Sad)

Hemotherapy specifities in perinatal period

Ljubinka I. Nikolić, Momir M. Mikov, Branislava M. Majstorovic, Vera R. Vuckovic, Dragana Maca A. Kastratovic (Clinical Centre of Serbia)

Procedural sedation and analgesia for invasive diagnostic and therapeutic intervention

Vera R. Vučićević, Nadežda N. Radošić, Jovan S. Mihajlović, Dragana Maca A. Kastratovic (Clinical Centre of Serbia, Belgrade)

Resistance to first-line antituberculosis drugs

Mihajlo Stjepanović¹, Snezana Rajević¹, Dragana Marić¹, Marina Rokсандić¹, Ivana Buha¹,

Continued on page 17...



II WEEK OF HOSPITAL CLINICAL PHARMACOLOGY (CONTINUED)

Mirjana Stjepanović² (1 Clinical Centre of Serbia – Clinic for Pulmology, ² Special Hospital for Psychiatric Diseases “Dr. Laza Lazarević”)

Metabolic syndrom and antipsychotic medications

Stjepanović Mihailo¹, Stjepanović Mirjana², Milinković Ana³, Raljević Snežana¹, Buha Ivana¹ (1 Clinical Centre of Serbia – Clinic for Pulmonary Diseases, ² Special Hospital for Psychiatric Diseases “Dr. Laza Lazarević”, ³ Primary Health Center of Mladenovac)

Drug costs in Clinical Centre of Nis - ABC Analysis

Jasmina Petrovic, Radmila Velickovic-Radovanovic, Ruzica Lilic, Radmila Mitic (Clinical Centre of Nis, Depart of Pharmacotherapy)

Effect of chromium enriched fermentation product of bareley and beer yeast and its combination with rosiglitazone on experimentally induced hyperglycemia in mice

Vlada Cekic¹, V. Vasovic², V. Jakovljevic², D. Lalosevic³, M. Mikov¹, A. Sabo¹ (1 Hemofarm AD, Medical Department, Belgrade, ² University of Novi Sad, Faculty of Medicine, Department of Pharmacology, Toxicology and Clinical Pharmacology, ³ University of Novi Sad, Faculty of Medicine, Department of Histology and Embryology)

The selection of antibiotics and pregnancy – far away from routine clinical task

Dragana Maca A. Kastratovic, Ljubinka I. Nikolic, Biljana A. Kastratovic-Kotlica, Dejan P. Dragicevic, Srdjan Z. Markovic, Milos S. Mijajlovic (Clinical Centre of Serbia, Belgrade)

Medical control of hydrocortisone acetate in eye ointment in Clinical Centre of Serbia

Marija Dj. Jovovic¹, Darko Ivanovic², Andjelija Malenovic², Biljana Jancic² (1 Clinical Centre of Serbia - Department of Pharmacy, ² Instit for Pharmaceutical Chemistry and Drug Analytics, Pharmaceutical Faculty Belgrade)

Solutions for bowel preparation

Maja Ribar (Clinical Centre of Serbia - Department of Pharmacy)

The pattern of outpatient utilization of non-steroidal anti-inflammatory drugs in South Backa District

Vesna Mijatovi, Jelena Čalasan, Olga Horvat, Ana Sabo (University of Novi Sad, Faculty of Medicine, Department of Pharmacology, Toxicology and Clinical Pharmacology)

Utility of collagen sheet in denuded wound healing

Goran Lazović, Milena Grubor, Ivan Milošević (Clinical Centre of Serbia)

Pharmacokinetics of drugs with analgesic action administered epidurally: morphine, bupivacaine and clonidine

Jelena Vukovic (Janssen-Cilag Division of Johnson & Johnson, Belgrade)

Anticoagulant therapy in neuroradiologies procedures in Clinical Centre of Serbia

Branislava Majstorovic (Clinical Centre of Serbia - Center for Anesthesiology and Reanimathology)

Postponed alopecia appearance after usage of metoprolol

Marko Folic, Slobodan Jankovic (Clinical Centre of Kragujevac - Department of Clinical Pharmacology)

Importance of impurities analysis in active pharmaceutical ingredients and finished pharmaceutical products

Andjelija Malenovic, Biljana Jancic-Stojanovic (Institute for Pharmaceutical Chemistry and Drug Analytics, Pharmaceutical Faculty Belgrade)

Artificial neural networks and its application in medicine

Biljana Jancic-Stojanovic, Andjelija Malenovic (Institute for Pharmaceutical Chemistry and Drug Analytics, Pharmaceutical Faculty, Belgrade)

Brand name drugs vs. generics

Petar Blazevic, Lj. Mistic, Violeta Stanimirovic (Drug Agency Serbia - ALIMs)

Clinical Pharmacology and Clinical Pharmacy: way to efficial therapy

Momir Mikov, Svetlana Goločorbin-Kon¹, Ana Sabo¹, Zdenko Tomić¹, Dragana Maca A. Kastratović², Marija Jovovic² (1 Medical Faculty Novi Sad, ² Clinical Centre of Serbia) •

Upcoming Events

July

ECNP School of Neuropsychopharmacology

July 3 - 8, 2011 in Oxford, United Kingdom

<http://www.ecnp.eu/meetings/ecnp-school/oxford2011.aspx>

British Pharmacological Society Focused Meeting - Novel cAMP Signaling Paradigms: New Insights into the Development and Progression of Chronic Inflammatory Diseases

July 7 - 8, 2011 in London, United Kingdom

<http://www.bps.ac.uk/details/meeting/984921/BPS-Focused-Meeting---Novel-cAMP-Signaling-Paradigms-New-Insights-into-the-Devel.html>

August

XIII Columbian Congress of Pharmacology and Therapeutics

August 12 - 15, 2011 in Santiago de Cali, Columbia

<http://asocofarma.com>

International Meeting on Ganoderma Research organized by the International Society on Ganoderma Research (ISGR), the Chinese Pharmacological Society (CNPHARS), the Medicinal Mushroom Committee of the China Edible Fungi Association and the Edible Fungi Branch of the Chinese Association of Agricultural Science Societies

August 16 - 18, 2011 in Beijing, China

http://www.cnphars.org/view.asp?ar_id=457&anclassid=7&nclassid=

43rd Congress of the Brazilian Society of Pharmacology and Experimental Therapeutics in conjunction with the Federation of Societies of Experimental Biology

August 24 - 27, 2011 in Rio de Janeiro, Brazil

<http://www.fesbe.org.br/fesbe2011>

September

24th ECNP Congress

September 3 - 7, 2011 in Paris, France

<http://www.ecnp-congress.eu/en.aspx>

The Twelfth International Conference on Endothelin co-sponsored by the British Pharmacological Society

September 11 - 14, 2011 in Cambridge, UK

<http://www.endothelin-conferences.org>



Upcoming Events

September (continued)

61st Czech-Slovak Pharmacological Days organized by the Czech Society for Experimental and Clinical Pharmacology and Toxicology, Slovak Pharmacological Society, Czech Medical Association JE Purkyne, and the Veterinary and Pharmaceutical Sciences Brno among others

September 14 - 16 , 2011 in Brno, Czech Republic

http://faf.vfu.cz/en/anniversary-faculty/pharmacological_days.html

35th National Congress of the Italian Society of Pharmacology

September 14 - 17, 2011 in Bologna, Italy

<http://cong35.sifweb.org>

A James Black Meeting - Biologics for the New Millennium sponsored by the British Pharmacological Society

September 19 - 21, 2011 in Cambridge, UK

<http://www.bps.ac.uk/details/meeting/855259/James-Black-Meeting---Biologics-for-the-New-Millennium-.html>

11th Annual Meeting of the Safety Pharmacology Society

Sept 19 - 22, 2011 in Innsbruck, Austria

<http://www.safetypharmacology.org/am2011>

45th Annual Congress of the South African Society for Basic and Clinical Pharmacology: International Congress on Pharmaceutical and Pharmacological Sciences (6th ICPPS 2011) in conjunction with the Academy of Pharmaceutical Sciences of the Pharmaceutical Society of South Africa

September 25 - 27, 2011 in Durban, KwaZulu-Natal, South Africa

http://www.sapharmacol.co.za/CONGRESS_Site/Default.aspx

The Cannabinoids: from Biology to the Clinic, a Monothematic Conference Organized by the Italian Society of Pharmacology

Sept 29 - 30, 2011 in Cagliari, Italy

<http://www.sifweb.org>

17th Scientific Symposium of the Austrian Pharmacological Society (APHAR), a joint meeting with the Hungarian Society of Experimental and Clinical Pharmacology (MFT)

Sept 29 - 30, 2011 in Innsbruck, Austria

<http://www.aphar.at>

October

The Week of Pharmacology: A joint meeting of the 33rd Congress of Spanish Society of Pharmacology and the 24th Congress of the Spanish Society of Clinical Pharmacology

October 3 - 7, 2011 in Malaga, Spain

<http://www.socesfar.com/congresos.htm> or <http://www.lasemanadelafarmacologiademalaga.com>

Continued on page 20...

Upcoming Events

October (continued)

4th National Congress of the Association of Pharmacologists of Ukraine

October 10 - 12, 2011 in Kiev, Ukraine

Contact: farma@t.kiev.ua

20th Iranian Congress of Physiology & Pharmacology

October 10 - 14, 2011 in Hamadan, Iran

<http://www.phypha.ir/find-1.18.52.en.html>

XIX Congress of the Latin American Association of Pharmacology

October 18 - 21, 2011 in Quito, Ecuador

<http://www.sofarchi.cl/img/AficheMedico-reducido.JPG>

21st Annual Meeting of Turkish Pharmacological Society

October 19 - 22, 2011 in Eskisehir, Turkey

<http://www.tfd.org.tr>

Annual Meeting of International Society of Pharmacovigilance

October 26 - 28, 2011 in Istanbul, Turkey

<http://www.isop2011.org>

November

Annual Meeting of the Argentine Society of Experimental Pharmacology

November 2 - 6, 2011 in San Miguel de Tucuman, Argentina

<http://www.safe-digital.org>

December

Annual Meeting of Australasian Society of Clinical and Experimental Pharmacologists and Toxicologists

December 4 - 9, 2011 in Perth, Australia

<http://www.ascept.org/Events/ASCEPTAnnualScientificMeeting2010.aspx>

British Pharmacological Society Winter Meeting

December 13 - 15, 2011 in London, UK

<http://www.bps.ac.uk/details/meeting/984909/BPS-Winter-Meeting-London-2011.html>

44th Annual Conference of the Indian Pharmacological Society

December 19 - 21, 2011 in Manipal, India

<http://www.indianpharmacology.org>

To include your events here, please e-mail the details to iuphar@kumc.edu.



Magyar Kísérletes és Klinikai
Farmakológiai Társaság
Hungarian Society for Experimental and
Clinical Pharmacology

10th Congress of the European
Association for Clinical
Pharmacology and Therapeutics,
Budapest, Hungary
26-29 June 2011

Relevance of Functional Outcomes in Geriatric Pharmacology

Symposium sponsored by the Clinical Division of IUPHAR

Tuesday, June 28th, 2011; 12.30 - 13.45

in the Pátria Auditorium

Chairpersons: David LeCouteur and Petra Thürmann

Featured Speakers

Functional outcomes from high risk prescribing in older people

by David LeCouteur, Australia



Thrombolysis for ischaemic stroke and functional outcomes in the very elderly

by Gary Ford, UK

Sedative load and balance, mobility and muscle strength in community-dwelling older persons in Finland

by Simon Bell, Finland



Potentially inappropriate medications for the elderly – evidence, validity and usefulness of check-lists

by Petra Thürmann, Germany

For more information or to register, please visit <http://www.eacpt2011.org> 21



European College of Neuropsychopharmacology
ecnp

24th ECNP Congress 3-7 September 2011 Paris, France

Bridging basic research, clinical science and medical practice.

The largest annual meeting on neuropsychopharmacology and mental disorders in Europe, the ECNP Congress is attended by over 7,000 psychiatrists, neurologists, psychologists and neuroscience researchers from across the world every year.

The scientific programme embodies the highest standards of scientific quality and originality, and consists of:

- Plenary lectures
- Scientific symposia
- Educational update sessions
- Brainstorming sessions
- Poster sessions

Register online:
www.ecnp.eu

ECNP is Europe's pre-eminent interdisciplinary platform for the exchange and dissemination of scientific research on the brain and brain disorders.

The 24th ECNP Congress is being held in Paris and brings together the most eminent specialists in the field, ready to share their knowledge and expertise with you. A few highlights from this year's scientific programme:

- Plenary lectures by Helen Mayberg, Moussa Youdim and the winner of the 2011 ECNP Neuropsychopharmacology Award.
- Symposia on the European Network of Bipolar Expert Centres; on sex and gender differences in psychiatric disorders; on mood disorders in children and adolescents; and many others.

Please visit the ECNP website for a complete online overview of our provisional scientific programme.

In addition, 14 satellite symposia are being organised with educational financial support provided by the industry.

Register now to join other distinguished researchers and clinicians in reviewing the latest achievements and future perspectives in the advancing field of neuropsychopharmacology.

Scientific Programme Committee

- | | |
|-----------------------------------|----------------------------|
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Contact Details

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Scientific Secretariat
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www.ecnp.eu





Sociedad Argentina de Pediatría



LATIN AMERICAN WORKSHOP IN PEDIATRIC CLINICAL PHARMACOLOGY RESEARCH

October 28, 2011. Buenos Aires, Argentina



Picture: Portal oficial de turismo. Gobierno de la Ciudad de Buenos Aires www.bue.gob.ar

Who should attend?

Health professionals interested in conducting clinical research in pediatric pharmacology, with a focus on Latin America
(Presentations will be in Spanish and English)

REGISTRATION IS FREE
jornada.farmacopediatria@gmail.com

SPECIAL GUESTS INCLUDE:

Dr. Kalle Hoppu. *Helsinki University Central Hospital. University of Helsinki*
Dr. Gideon Koren. *Hospital for Sick Children. University of Toronto*
Dr. Roberto Diez. *Dept Pharmacology. University of Buenos Aires*

Chaired by

Dr. Facundo Garcia Bournissen
IUPHAR
Pediatric Clinical Pharmacology Section

Dr. Jaime Altchek
Sociedad Argentina de Pediatría (SAP)
Subcomision de Investigacion Pediatrica & Buenos Aires Children's Hospital "R Gutiérrez"

<http://www.jornada.farmacologiapediatria.com>



4th National Congress of the Association of Pharmacologists of Ukraine

“Modern Pharmacology and Rational Pharmacotherapy”

10 - 11 October 2011, Kyiv, Ukraine

The 4th National Congress of the Association of Pharmacologists of Ukraine entitled “Modern Pharmacology and Rational Pharmacotherapy” will be held in Kyiv, Ukraine on October 10 - 11, 2011. Scientific meetings of the leading pharmacologists and health professionals of the independent Ukraine were initiated by the First National Congress of Pharmacologists in Poltava (1995). Subsequent congresses were held in Dnepropetrovsk and Odessa, and now Kyiv, the capital of Ukraine. The current Congress delegates were elected at conferences of 14 regional branches of the “Association of Pharmacologists of Ukraine”, a public organization.



The program of the Congress is devoted to considering the prospects of pharmacology as a multidisciplinary science that is driven by the needs of clinical medicine. The Congress sessions will focus on the evolution of pharmacological research and rational pharmacotherapy for the treatment of common human ailments. The Congress will serve as a forum for bringing together leading scientists in various areas of pharmacology. Included will be those conducting research in nano- and cell pharmacology, in basic and clinical age-related pharmacology, in pharmacodynamics and pharmacokinetics, phytopharmacology, pharmacognosy, toxicology and drug safety.

Continued on page 25...

4th National Congress of the Association of Pharmacologists of Ukraine

(continued)

The Congress program includes satellite symposia sponsored by Sanofi, Nycomed, Ranbaxy, Borshchagovskyi Chemical Pharmaceutical Plant and other companies. These will cover contemporary issues of importance in rational drug therapy. Master classes will be conducted on regulatory policy in pharmaceutical R&D and registration in Ukraine. All presentations, including those from the satellite symposia, will be published in the Congress Proceedings and highlighted in the journal *Pharmacology and Drug Toxicology*. The Congress languages are Ukrainian, English, and Russian.



The Organizing Committee especially welcomes young scientists as participants as they represent the future of pharmacology in Ukraine. The young scientist with the best presentation at the Congress will be selected and the winner announced during the closing session.

The 4th National Congress of the Association of Pharmacologists of Ukraine will be held at the modern conference hall in the “Kyivska Rus” Hotel, situated on the picturesque hills of the Dnieper River. Kyiv is the leading political, social, economic, transport and scientific center of the country. Founded in the IVth century AD, Kyiv became the capital of independent Ukraine in 1991. All federal offices, as well as local government agencies, foreign embassies, and the headquarters for most of the national and foreign companies are located here. Kyiv is the 7th most populous city in Europe.

Kyiv is the ancient historical and ideological center of the Eastern Slavs culture, and now one of the greenest cities in Europe. Khreshchatyk, one of the world widest streets, is the main thoroughfare in Kyiv. The recently redesigned Maidan Nezalezhnosti (Independence Square), the central square of the country, and Khreshchatyk are two of the main sites for visitors. Another is The Golden Gate, the ancient entrance to Kyiv. Other unique and historically important attractions include the ancient Rus mosaics, frescoes, and the century-old graffiti of the St. Sophia Cathedral.



Of special interest are the Christian sacred places of Kyiv-Pechersk Lavra, the St. Andrew’s Descent, and Askold’s tomb. The St. Sophia’s Cathedral and Kyiv-Pechersk Lavra deserve special attention as they are listed as UNESCO World Heritage sites.

Please join us for the 4th National Congress of the Association of Pharmacologists of Ukraine “Modern Pharmacology and Rational Pharmacotherapy” in Kyiv, October 10 - 11, 2011. For more information, please e-mail the Association at farma@t.kiev.ua . •

The Organizing Committee



Welcome

Dear friends and colleagues,

The European Congress of Pharmacology comes to Spain in 2012. It is indeed a great honour for the Spanish Society of Pharmacology to host the most important "pharmacological" event in Europe. This will be a wonderful opportunity to bring together all the pharmacologists that cover the whole process of drug development from "bench to bedside", that is basic pharmacology to clinical practice.

Main Objectives

- Gain insight on the mechanism of action of new/old drugs
- Understand the pharmacological properties, pharmacodynamic and pharmacokinetic, of old/new drugs
- Evaluate the clinical efficacy and safety of drugs
- Unmet needs for the development of new drugs
- Bring together basic and clinical pharmacology
- Promote the cooperation between National/regional Pharmacological Societies in Europe

Registration Fees

	Before March 31st, 2012	From April 1st to June 15th, 2012	After June 16th and on site
Academic Registration	450€	500€	600€
*Student Registration	300€	400€	450€
*Certification Required			

Access to all Scientific Sessions, congress bag with documentation, admission to the Trade Exhibition, coffee breaks and lunches, welcome cocktail (17th July) and reception in "Carmen de los Mártires" (18th July)

Closing Dinner

The congress will celebrate a final Gala dinner on Friday, July 20th at Hotel Nazarías. The cost of the dinner is 60 euros per attendee.

www.ephar2012.org



July 17 - 20, 2012

WCP2014

The upcoming World Congress of Basic and Clinical Pharmacology (WCP2014) will be held from 13 – 18 July 2014 in [Cape Town](#), South Africa. It is strongly recommended that you reserve these dates in your diary to attend this international, multifocussed scientific meeting and network platform at an unforgettable destination. Find more information at www.iuphar2014.org.

WCP 2014
17th World Congress of Basic & Clinical Pharmacology

17th World Congress of Basic & Clinical Pharmacology
International Union of Basic and Clinical Pharmacology (IUPHAR)

www.iuphar2014.org

South African Society for Basic and Clinical Pharmacology
SASBCP

IUPHAR
International Union of Basic and Clinical Pharmacology

13 - 18 July 2014

Cape Town, South Africa

17th World Congress of Basic and Clinical Pharmacology
Cutting-edge Pharmacology: from Cradle to Clinic

'Pharmacology for Africa' initiative
Pharmacologie pour l'initiative de l'Afrique

...by African pharmacologists, to promote and organise pharmacology on the African continent

www.iuphar-africa.org

Cape Town

This international meeting of IUPHAR will consist of plenary lectures, 2-3 day focused conferences, workshops and symposia, oral presentations and posters. Pre-conference satellite meetings will also be available. WCP2014 will be covering basic, clinical and translational aspects of pharmacology, including hard sciences, education, pharmacovigilance, ethics and pharma-industry. While it will offer the advantages of a truly international meeting, it will also entertain a unique African flavour.

Become a partner to support the 'Pharmacology for Africa' initiative ([Phar/A](#)). Visit our website to view our [existing list of sponsors](#).

Platinum Sponsor



Why Cape Town?



Cape Town is home to Robben Island, a World Heritage Site that symbolises "the triumph of the human spirit, of freedom, and of democracy over oppression". Visitors can catch a ferry to visit the island.



Chapman's Peak Drive is considered as one of the most spectacular marine drives in the world. There are viewpoints en route which are perfect for picnics and sundowners.



Southern Right whales use the extreme coastal waters of the south Western Cape coast as calving and nursery grounds and may be seen just metres from the shore between May and November.

Pharmacology International

June 2011



Cape Town has won numerous tourism awards during the past few years. In 2010, Cape Town was named Africa's leading destination by the World Travel Awards.

Situated in the heart of the Mother City's working harbour and set against the spectacular backdrop of Table Mountain, is the Victoria & Alfred Waterfront, a hub of varied activity and a Cape Town must-see.

With its magnificent natural beauty, its rich cultural heritage and its world-renowned wines, the Cape Winelands region is synonymous with all the best the Cape has to offer.

The Cape Floral Region boasts approximately 9 000 plant species. Though the Cape Floral Region is the smallest of the world's six floral kingdoms, it is the richest per area unit.

See a breeding colony of African penguins at close range at Boulders. The wooden boardwalk is a great way to see and get very close to the 3 000 African penguins.

The townships are a colourful combination of vibrant life and the problems associated with poverty, making a visit to a township unforgettable. There is no shortage of restaurants, jazz clubs and B&Bs.

Enjoy spectacular 360-degree views of Cape Town from the top of Table Mountain, the city's most famous icon. Table Mountain is known for its rich biodiversity and is home to about 2 000 species of plants.

Kirstenbosch is South Africa's world-famous national botanical garden, set against the backdrop of Table Mountain and Devil's Peak, and home to over 22 000 indigenous plants.

With over 3 000 marine creatures on view, the Two Oceans Aquarium is one of the finest aquariums in the world. The aquarium displays the unique marine life of the Atlantic and Indian Oceans.

WCP2014

Seeking a post-doctoral position?
 Here's a sample of what PharmacoCareers offers...

Position	Location	Posted
post-doc CNRS	Montpellier, Other / Non-US, France	5/09/2011 save job view/apply
Postdoctoral Neuroscience Research Position University of California, Irvine	Irvine, CA, United States	5/09/2011 save job view/apply
Post-Doctoral Fellow University of California San Francisco	San Francisco, CA, United States	5/06/2011 save job view/apply
postdoc Dept of Computational & Systems Biology - U Pittsburgh	Pittsburgh, PA, United States	5/06/2011 save job view/apply
Post-doctoral Associate Emory University School of Medicine	Atlanta, GA, United States	5/05/2011 save job view/apply
Postdoctoral fellow in pain neuroimaging at University of Maryland Baltimore University of Maryland Baltimore	Baltimore, MD, United States	5/02/2011 save job view/apply
Postdoctoral Research Fellow Torrey Pines Institute for Molecular Studies	Port St Lucie, FL, United States	4/28/2011 save job view/apply
Post Doctoral Fellow JCVI	San Diego, California, United States	4/27/2011 save job view/apply
Postdoctoral Scholar University of CA, Irvine	Irvine, CA, United States	4/26/2011 save job view/apply
Postdoctoral Fellow Washington University School of Medicine	Saint Louis, MO, United States	4/25/2011 save job view/apply
Postdoctoral Associate University of Florida, Florida Medical Entomology Laboratory	Vero Beach, Florida, United States	4/22/2011 save job view/apply
Postdoctoral Fellow Mount Sinai School of Medicine	New York, New York, United States	4/21/2011 save job view/apply
Postdoc Fellow Vanderbilt University Medical Center	Nashville, TN, United States	4/18/2011 save job view/apply



NINDS International Funding Opportunities



OFFICE of INTERNATIONAL ACTIVITIES

Fostering International Collaborations in the Neurosciences

International Neuroscience Fellowship Program (F05)

Application Receipt Dates: August 16, 2011, 2012
Participating Institutes: NINDS, NIA, NIAAA, NICHD, NIDA, NIDCD, NIEHS, NIMH
Purpose: To advance the training of early or mid-career foreign neuroscientists by enhancing their basic, translational or clinical research skills in a research setting in the U.S. Applicants must have a doctoral or equivalent degree, an endorsement from their home institution, a guaranteed appointment in an institution in their home country upon completion of the fellowship, and a sponsor in the U.S. who is affiliated with an eligible U.S. organization. Preference will be given to applicants from low- to middle-income countries.
Announcement: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-167.html>
Contact: Ms. Stacey Chambers, NINDS: chambers@ninds.nih.gov

Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) (D43)

Application Receipt Dates: September 21, 2011, 2012
Participating Institutes: FIC, NICHD, NCI, NINR, NINDS, NIEHS, ODS/OD
Purpose: This institutional research training program aims to build research capacity in low- to middle-income countries (LMICs) as it relates to non-communicable chronic diseases and disorders. Areas of interest include cerebrovascular disease including stroke, neurological disorders, chronic lung disease, diabetes, mental illness, substance abuse and developmental disorders. The institutions applying may be domestic or foreign, but must exhibit the ability to do such training, and must exhibit that they have existing research programs in these fields. Foreign applications will only be accepted from LMIC institutions.
Announcement: http://www.fic.nih.gov/programs/training_grants/ncd-lifespan/index.htm
Contact: FIC: Dr. Kathleen Michels, FIC-NCD-D43@mail.nih.gov
NINDS: Dr. Yuan Liu, liuyuan@ninds.nih.gov

Global Health Research Initiative Program for New Foreign Investigators (GRIP) – Biomedical Sciences (R01)

Receipt Dates: Non-AIDS: January 10, 2012, 2013
AIDS Application Receipt Date: March 10, 2011, March 9, 2012, March 8, 2013
Participating Institutes: FIC, NCI, NEI, NIA, NIBIB, NIEHS, NIMH, NINDS, ODS/OD
Purpose: To promote the productive development of foreign investigators from low- to middle-income countries (who are trained in the U.S. or through specific U.S. programs) to independent researchers in their home countries or other low- to middle-income countries. Eligible applicants include individuals who have taken part in the NIH Intramural Visiting Fellow Program, the Fogarty International Center research training programs (D43 or U2R), the International Neuroscience Fellowship (F05), and other mechanisms specified in the FOA.
Announcement: http://www.fic.nih.gov/programs/research_grants/grip/index.htm
Contact: FIC: Dr. Xingzhu Liu, liuxing@mail.nih.gov
NINDS: Dr. Yuan Liu, liuyuan@ninds.nih.gov

NINDS International Funding Opportunities

(continued)

Fogarty International Research Collaboration Award– Basic Biomedical (FIRCA-BB) (R03)

Receipt Dates: January 10, 2012, 2013
Participating Institutes: FIC, NCCAM, NIA, NIAAA, NIBIB, NIDCD, NIDCR, NIDA, NIEHS, NIGMS, NINDS, NICHD
Purpose: To foster international research partnerships between NIH-supported U.S. scientists and their collaborators in low- to middle-income countries. The FIRCA program aims to benefit the research interests of both the U.S. and foreign collaborators while increasing research capacity at the foreign site. U.S. applicants must have a currently active NIH research grant.
Announcements: http://www.fic.nih.gov/programs/research_grants/firca/index.htm
Contact: FIC: Dr. Kathleen Michels, michelsk@nih.gov
NINDS: Dr. Yuan Liu, liuyuan@ninds.nih.gov

Brain Disorders in the Developing World: Research Across the Lifespan (R21, R01)

Receipt Date: Non-AIDS: January 10, 2012, 2013
AIDS-related: April 11, 2012, 2013
Participating Institutes: FIC, NIA, NIAAA, NICHD, NIDA, NIEHS, NIGMS, NIMH, NINDS, ODS/OD
Purpose: To develop collaborative research and capacity building projects on brain disorders throughout life relevant to low- to middle-income nations. Applicants are expected to develop innovative, collaborative research programs that contribute to the long-term goal of building sustainable research capacity in neurological function and impairment throughout life. The first phase of a project under this program consists of a two-year planning/development grant using the R21 grant mechanism. The R21 grant provides support to organize, plan for, prepare, and assemble an application for a more comprehensive R01 grant.
Announcement: http://www.fic.nih.gov/programs/research_grants/brain_disorder/index.htm
Contact: FIC: Dr. Kathleen Michels, michelsk@nih.gov
NINDS: Dr. Yuan Liu, liuyuan@ninds.nih.gov

The following clinical research training program is jointly supported by NIH and the Vanderbilt University Institute for Global Health. The Association of American Medical Colleges, in collaboration with the Association of Schools of Public Health, provides program support for the solicitation and review of applications.

Fogarty International Clinical Research Scholars and Fellows Program (FICRS-F)

Receipt Date: Announced in mid-summer/receipt date in early December
Participating Institutes: FIC, NCI, NIDA, NIMH, NHLBI, NINR, NIAID, NINDS, NICHD, NIDCR, NCMHD, NIHOD
Purpose: Supports one year of mentored and hands-on clinical research training at a research center in a low-to middle-income country. Candidates are U.S. graduate-level researchers including MD or PhD students. The program also provides support for a foreign graduate student to work alongside the U.S. trainee during the training period. It is hoped that such experiences will encourage young researchers to pursue careers in global health related clinical research. Training sites include countries in Africa, Latin America and Asia.
Announcement: http://www.fic.nih.gov/programs/training_grants/nih_fogarty.htm
Contact: FIC: Dr. Myat Htoo Razak, myathtoo.razak@nih.gov



James Arthur Bain

May 22, 1918
to June 5, 2011

Pharmacology
International

June 2011



James A. Bain, Professor Emeritus of Pharmacology at Emory University, died of natural causes in Atlanta on June 5. He was 93. Dr. Bain, a much honored figure in the rarified worlds of medical education and scientific research, was prominent nationally as well internationally. He served as senior executive associate dean of Emory Medical School, conducted studies in a variety of fields – including cellular physiology, biochemical pharmacology, carcinogens, tumors and heredity – and authored or co-authored dozens of research papers and reviews. He was elected to lead prominent organizations, including president (1981 – 1984) and councilor (1978 - 1981) of the International Union of Basic and Clinical Pharmacology (IUPHAR), and president (1969) and treasurer (1968) of the American Society for Pharmacology and Experimental Therapeutics (ASPET). Not content to restrict his achievements to classrooms and laboratories, Dr. Bain was Druid Hills Golf Club's senior men's golf champion in 1986 and 1988.



Dr. Bain with U.S. Presidents Ford (left) and Carter (right).

James Arthur Bain

(continued)

Dr. Bain was far from a cloistered academic pursuing theoretical minutiae. In 1988 he received the Thomas Jefferson Award, among Emory's highest honors for faculty and staff. He was also recognized that year with the Torald Sollman Award, presented by ASPET "for significant contributions over many years to the advancement and extension of knowledge in the field of pharmacology." ASPET eventually named a travel award for young pharmacologists after Dr. Bain to acknowledge his contributions to the discipline. He served as the editor-in-chief of the prestigious journal, *Pharmacological Reviews*. Among his other honors were the Distinguished Medical Achievement Award, presented by the Medical Alumni Association of Emory, and the Distinguished Emeritus Award, given by Emory's Emeritus College.

James Arthur Bain was born in Langdon, North Dakota, USA on May 22, 1918. The son of James and Mable Aldritt Bain, a banker and the church organist and piano teacher, he was valedictorian of his high school class. Advised by his father to study law, he chose a different path, earning a B.S. in Chemistry at the University of Wisconsin in 1940 followed by a Ph.D. in Physiology from the same institution in 1944. After two years of shipboard service as a Navy radar officer he returned to Wisconsin on a Rockefeller Fellowship for postdoctoral work in physical chemistry. From 1947 to 1952 Dr. Bain served on the research and teaching staff of the University of Illinois College of Medicine. He accepted the position of professor of Pharmacology at Emory in 1954, served as chairman of Pharmacology from 1957 to 1962, and was director of the university's Division of Basic Health Sciences from 1960 until 1976.

Dr. Bain married Eleanor Hohaus on December 5, 1947. The union lasted until her death in January of 2010. He is survived by a sister, Margaret Camp of Silver Spring, Maryland, USA; two sons, Andrew (married to Sarah Roe) and Peter (married to Dianne Bain); grandsons Matthew (married to Missy Bain) and Harrison, and three great grandchildren, all of the Atlanta, Georgia, USA area.

The memorial arrangements are private. The family asks that in lieu of flowers, donations be made in Dr. Bain's name to CURE Childhood Cancer, 1117 Perimeter Center West, Suite N-402, Atlanta, GA 30338 USA. ●

On behalf of the family,
Elliott Mackle

Edited by Lynn LeCount



The above photograph was taken during Dr. Bain's 90th birthday party. His son, Peter, is seated to the left and son, Andy, to the right. Standing are his grandsons Harrison (left) and Matthew (right), and great-grandson, James, aka "JJ".

At left is a portrait of Jim and Eleanor taken during the autumn of 2000.

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